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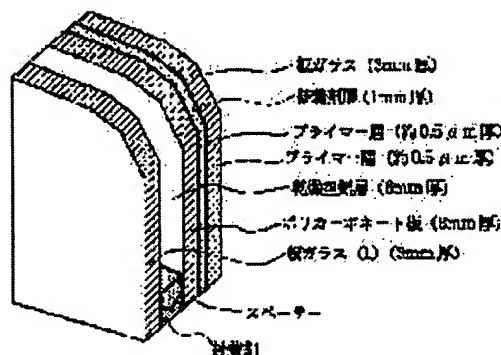
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(54) DOUBLE LAYERED SANDWICH GLASS PLATE AND ITS PRODUCTION

(57)Abstract:

PROBLEM TO BE SOLVED: To absorb the difference in expansion and contraction properties based on the difference in the coeff. of linear expansion between a glass plate and a synthetic resin plate and to obtain a double layered sandwich glass plate which has excellent heat insulating property, dew condensation resistance and soundproofing property, etc., by integrating the synthetic resin plate and the glass plate via an adhesive layer having flexibility to form a different material sandwich glass plate, then integrating the sandwich glass plate and a fresh glass plate via a dry air layer.

SOLUTION: Weather resistant rubber tapes are mounted at the four sides (peripheral edges) at the respective ends of the synthetic resin plate of the different material sandwich glass plate formed by integrating the synthetic resin plate and the glass plate via the adhesive layer having the flexibility and another glass plate 1. Next, metallic spacers are inserted between the rubber tape surfaces of both plates disposed to face each other and after both plates are brought into pressurized contact with each other, the spacings between the ends of both plates and the spacers are hermetically sealed by sealant. The respective plates of the different material sandwich glass plate are preferably integrated by the adhesive layers respectively via silicone based primer layers. The adhesive layers



preferably contain acrylate monomers and their oligomers and polymn. initiators.

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